# J.P.Morgan

## **Hexaware**

### Turnaround at mid-cycle

- Initiate coverage with OW and Jun-10 PT of Rs125: Hexaware is a mid-tier IT services company with a focus on banking, financial services and insurance (BSFI), and emerging verticals such as professional services. We believe Hexaware can sustain the sharp margin turnaround shown over the past quarter. Moreover, we expect volume growth going forward driven by increased penetration with existing clients. We expect an EPS CAGR of 22% over FY09-11 to lead to a P/E re-rating over the next 9-12 months.
- Delivering profitable growth in trying times; we expect revenue growth to bolster margins: Hexaware saw revenue pressure from key clients during the downturn, but has managed to maintain its profitability by controlling wage costs and cutting down G&A expenses. Hexaware's quarterly revenue run-rate fell by ~20% from ~\$68MM to ~\$54MM over the past 7-8 quarters, but the company has been able to increase its bottom line, leading to EPS going up by 25% during the same period. We believe the company can maintain its margin gains helped by volume growth in coming quarters.
- **Estimates:** We believe that recovering revenues across customers will drive a healthy 8% revenue CAGR over FY09-11. Moreover, we expect margins to remain steady and forex hedging losses to subside over the next 2-3 quarters, leading to an EPS CAGR of 22% over FY09-11.
- Valuation, price target and risks: Hexaware is currently trading at FY10E P/E of 9x (ex-cash FY10E P/E of 7x). Our Jun-10 price target of Rs125 is based on 10x one-year forward EPS, a ~20% discount to mid-tier players such as Patni and MindTree—primarily due to a lower top-line growth rate. We believe sustained execution and cost controls over the next 9-12 months will lead to a P/E re-rating. Key downside risks to our price target include any loss of a large customer, vendor consolidation going against mid-size companies, and a high wage inflation scenario.

Initiation

Overweight

HEXT.BO, HEXW IN Price: Rs83.30

Price Target: Rs125.00

## India eBusiness/IT Services

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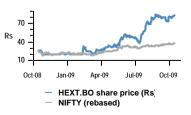
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#### **Price Performance**



Reuters: HEXT.BO; Bloomberg: HEXW IN

Rs MM, YE Dec	FY08	FY09E	FY10E	FY11E		FY08	FY09E	FY10E	FY11E	52-week range (Rs)	17.0-89.9
Sales	11,520	10,269	10,504	11,941	Y/E BPS (Rs)	46.1	55.0	61.6	69.9	Shares outstg	144MM
Operating profit	943	1,686	1,680	1,866	ROE (%)	8.6	15.8	15.8	18.0	Date of price	Oct 14, 09
EBITDA	1,227	1,966	1,979	2,183	ROIC (%)	14.4	27.7	28.5	31.2	Avg daily volume	1.74MM
Pre-tax profit	745	1,312	1,576	2,159	Qtr EPS (Rs)	1Q	2Q	3Q	4Q	Avg daily value (US\$)	2.1MM
Net profit	590	1,147	1,324	1,700	EPS (FY08)	1.5	0.7	8.0	1.2	Index (Sensex)	17,231
EPS (Rs)	4.1	8.0	9.2	11.8	EPS (FY09E)	1.2	2.8	1.9	2.1	Free float	71%
P/E (x)	20.2	10.4	9.0	7.0	EPS (FY10E)	1.8	2.1	2.3	3.0	Div yield FY08 (%)	1.0
EV/EBITDA (x)	9.1	5.7	5.6	5.1	Local	1M	3M	12M		Exchange rate	Rs46.1/US\$1
P/BV (x)	1.8	1.5	1.3	1.2	Abs. perf.(%)	1.8	113.6	224.9		Market cap (US\$)	258.5MM
Cash	2,849	4,218	5,280	6,618	Rel. perf.(%)	-4.5	89.3	174.8		PT (Jun-10)	Rs125

Source: Company data, Bloomberg, J.P. Morgan estimates.

See page 11 for analyst certification and important disclosures, including non-US analyst disclosures.

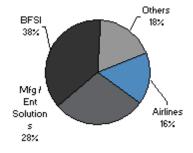
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#### **Company description**

Hexaware Technologies Limited specializes in providing its clients with management and technology solutions in the enterprise applications software area. The company derives the majority of its revenue from the BFSI vertical with global banks as customers. Other important verticals are travel/transportation (mainly airlines) and other emerging verticals, including professional service providers such as audit firms.

#### Revenue



Source: Company data, Bloomberg.

EPS: J.P. Morgan vs. consensus

	J. P. Morgan	Consensus
FY09E	8.0	6.3
FY10E	9.2	7.4
FY11E	11.8	10.8

Source: Bloomberg, J. P. Morgan estimates.

P&L sensitivity metrics	EBITDA impact (%)	EPS impact (%)
Sales volume growth assumption (FY11E: 15%)		
Impact of each 2%	3.9%	4.0%
Gross margin assumption (FY11E: 41%)		
Impact of each 1%	5.2%	5.2%
Capacity utilization assumption (FY11E: 65%)		
Impact of each 5%	21.1%	21.3%
Debt/equity assumption (FY11E: 0%)		
Impact of each 10%	0%	1.1%

Source: J. P. Morgan estimates

#### Price target and valuation analysis

We have a Jun-10 price target of Rs125 based on 10x one-year forward Jun-10E EPS. This is at a ~20% discount to mid-tier firms such as Patni and MindTree—primarily due to a lower top-line growth rate. Our Jun-10 DCF fair value estimate is Rs120 per share. Our long-term assumptions are a 10-year revenue CAGR of 6%, EBIT margin of 12%, ROIC of 20% and WACC of 13%.

Risk-free rate:	6.0%
Market risk premium:	8.5%
Beta:	0.85
Debt/equity:	0.0%
Cost of debt:	12%
Terminal "g":	4.0%

Key downside risks to our price target include loss of a large customer, vendor consolidation going against mid-size companies with increased polarization towards large companies, and a high wage inflation scenario.



## Investment thesis: Key positives

### Growth to resume going forward: Top clients to contribute to higher volumes Hexaware is seeing stability of volumes from its top customers – specifically 3-4 of its top 10 customers are increasing volume at Hexaware. With the overall macro recovery trend and Hexaware's specific focus on BFSI and emerging verticals (like professional services), we believe the company will see revenue growth stabilize for the next 1-2 quarters, with growth resuming from C010 when the new budgets are in

place. We expect 8%/14% US\$-based revenue growth in CY10/11 with stable margins leading to EPS growth of 15%/28% in CY10/11.

16,000 2009E-12E CAGR 10% 14,000 12,000 2002-09E CAGR 22% 10,000 8,000 6,000 4,000 2,000 2002 2003 2004 2005 2006 2007 2008 2009E 2010E

Figure 1: Revenue growth profile

Source: Company, J.P. Morgan estimates.

### Aggressively exercised margin levers: Volume growth benefit to be magnified Hexaware has been able to manage margins through aggressive employee rationalization during the downturn all the while increasing utilization across projects. As a result, despite the fall in revenues, the company has been able to aggressively increase margins.

Moreover, the company cut wages for a period of nine months this year to deal with the fall in revenues (wages account for ~70% of costs). We expect wage inflation to return in CY10 and impact gross margins by 200-300bp. However, we expect revenue growth to partly offset the margin pressure.

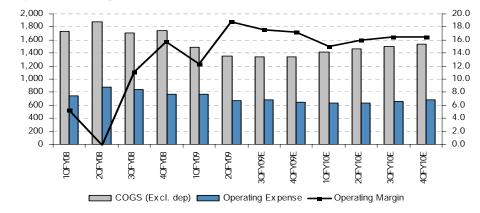


Employees -8,000 76.0% 7,000 74.0% 6,000 72.0% 5,000 70.0% 4,000 68.0% 3,000 66.0% 2,000 64.0% 1,000 62.0% 60.0% 1QFY09 1QFY08 30FY08 2QFY09 4QFY07 2QFY07

Figure 2: Utilization increase compensated for lower employee count, benefiting margins

Source: Company reports

Figure 3: Employee costs (COGS) and operating expenses control have led to admirable improvement in margins



Source: Company reports, J.P. Morgan estimates.

#### Transition to fixed-price projects

Over the past 3-4 quarters Hexaware has increasingly moved to fixed-price projects – this helps improve margin prospects with potentially higher utilization and higher offshore proportion on existing and new projects.

## Key concerns

#### **High client concentration**

Hexaware has high client concentration, with its top 10 clients contributing to 50% of revenues (vs. ~25-30% for top-tier companies). The company did see a decline in revenues from the top 10 customers during the budget setting during early 2009; we believe the company is now seeing stability with three of the top 10 customers actually seeing volume increase. Moreover, vendor consolidation risks have abated and while industry polarization in favor of large caps continues, we don't expect Hexaware to see any significant impact going forward.



#### Forex position is likely to dampen earnings in the near term

Hexaware has an outstanding forex hedging contract of ~US\$125 million to cover revenues for the next five quarters at an average contracted rate of ~Rs41/\$. These forex positions will lead to losses being booked in the income statement (as an MTM difference between the contracted rate and quarter end rate) over the next five quarters, dampening net profit growth.

## **Financials**

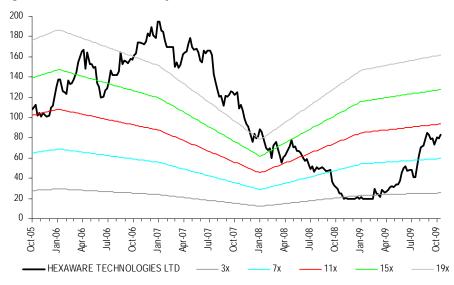
Table 1: Hexaware—P&L account

Rs in millions, year-end December

_		F۱	/08			FY(	)9E								
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE	2006	2007	2008	2009E	2010E	2011E	2012E
Revenue	2,670	2,845	2,946	3,059	2,643	2,591	2,545	2,490	8,482	10,398	11,520	10,269	10,504	11,941	13,547
Gross profit	879	878	1,167	1,250	1,090	1,163	1,133	1,076	2,964	3,493	4,174	4,462	4,292	4,821	5,460
EBIT	141	-4	326	480	325	487	446	428	1,122	968	943	1,686	1,680	1,866	2,107
EBITDA	204	80	393	550	392	558	516	500	1,322	1,201	1,227	1,966	1,979	2,183	2,444
Pre tax profit	244	129	126	246	205	442	311	354	1,363	1,232	745	1,312	1,576	2,159	2,466
Net profit	209	95	115	171	173	396	271	308	1,242	1,099	590	1,147	1,324	1,700	1,899
EPS (Rs)	1.5	0.7	0.8	1.2	1.2	2.8	1.9	2.1	9.8	8.0	4.1	8.0	9.2	11.8	13.2
Margins (%)															
Gross margin	32.9	30.9	39.6	40.9	41.2	44.9	44.5	43.2	34.9	33.6	36.2	43.4	40.9	40.4	40.3
Operating margin	5.3	-0.1	11.1	15.7	12.3	18.8	17.5	17.2	13.2	9.3	8.2	16.4	16.0	15.6	15.6
EBITDA margin	7.6	2.8	13.3	18.0	14.8	21.5	20.3	20.1	15.6	11.5	10.7	19.1	18.8	18.3	18.0
Net margin	7.8	3.4	3.9	5.6	6.5	15.3	10.6	12.4	14.6	10.6	5.1	11.2	12.6	14.2	14.0
Sequential growth (%	)														
Revenue	3.0	6.6	3.6	3.8	-13.6	-2.0	-1.8	-2.1	25.0	22.6	10.8	-10.9	2.3	13.7	13.4
Gross profit	15.0	-0.1	32.9	7.1	-12.8	6.7	-2.6	-5.0	23.9	17.8	19.5	6.9	-3.8	12.3	13.3
EBIT	17.4	-102.7	8,558.2	47.4	-32.3	49.8	-8.4	-3.9	29.5	-13.7	-2.7	78.9	-0.4	11.0	12.9
EBITDA	12.7	-60.7	390.2	40.0	-28.7	42.3	-7.5	-3.2	21.6	-9.2	2.2	60.3	0.6	10.3	11.9
Net profit	-3.7	-54.4	20.8	48.5	1.2	128.9	-31.7	13.7	35.8	-11.5	-46.3	94.3	15.4	28.4	11.7
EPS	-3.7	-54.1	19.6	48.5	1.2	130.4	-32.1	13.7	26.6	-18.5	-48.5	94.3	15.1	28.4	11.7

Source: Company reports, J.P. Morgan estimates.

Figure 4: Hexaware—Forward one-year P/E



 $Source: Company \ reports, \ J.P. \ Morgan \ estimates.$ 



Figure 5: Hexaware—Trailing one-year P/E

Source: Company reports, J.P. Morgan estimates.

## Valuation and share price analysis

We use DCF-based cash flow and comparative P/E-based metrics to sector peers to value Hexaware. Our comparative P/E-based valuation yields a Jun-10 price target of Rs125, based on 10x one-year forward P/E and is largely in line with our DCF-based, Jun-10 fair value estimate of Rs120.

### P/E comparison: Price target of Rs125

Table 2: P/E multiples

		Price (Rs)	Shares	Mkt cap		EPS in LC			P/E		EPS CAGR
		14-Oct-09	MM	US\$MM	FY09	FY10E	FY11E	FY09	FY10E	FY11E	FY09-11E
TCS	OW	595	1,957	25,246	26.4	31.5	36.3	22.5	18.9	16.4	17.3
Infosys	OW	2,260	573	28,089	102.0	106.0	126.3	22.1	21.3	17.9	11.2
Wipro Limited	OW	580	1,466	18,437	26.8	28.9	32.7	21.7	20.0	17.7	10.6
Satyam	N	109	1,176	2,778	10.6	4.3	11.7	10.3	25.2	9.3	4.8
HCL Tech	OW	305	671	4,438	18.0	18.1	28.2	17.0	16.8	10.8	25.3
Tech MH	OW	934	122	2,469	77.9	44.3	100.7	12.0	21.1	9.3	13.7
Patni	OW	423	128	1,177	34.1	32.9	36.9	12.4	12.8	11.5	4.0
Mphasis-BFL	OW	632	209	2,870	14.1	42.0	41.3	44.7	15.0	15.3	70.9
Mindtree	OW	572	39	488	7.9	44.6	51.0	72.8	12.8	11.2	154.8
Hexaware	OW	83	144	258	4.1	8.0	9.2	20.2	10.4	9.0	49.6

Source: Company reports, J.P. Morgan estimates. Note: Priced as of October 14, 2009. Note: For Hexaware, FY09=CY08 (year-end December).

### DCF valuation: Jun-10 fair value estimate of Rs120

Our Jun-10 DCF fair value estimate is Rs120 per share. Our long-term assumptions are a 10-year FY08-FY18E revenue CAGR of 6.4%, EBIT margin of 12%, ROIC of 20% and WACC at 13%. We expect the stock to trade in line with our DCF fair value estimate.



#### Revenue

We have explicit quarterly revenue forecasts until FY12. We expect 10% revenue CAGR over FY09-12. Our 10-year revenue growth forecast is 6.4% and terminal growth assumption is 4%.

#### **Operating and NOPAT margins**

Hexaware's operating margins should rise sharply and stabilize at around 16% over the next couple of years from around 8% in 2008 due to. In the long term, we expect Hexaware's margins to remain at ~12%. Our long-term NOPAT margin assumption is 8%.

#### **Asset turns**

We expect asset turns to increase from FY09 levels in the near term explicit forecast period till FY12. Our longer terms fixed asset turn assumption is on the conservative side at FY08 value of 2.5x.

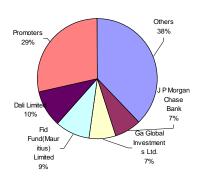
#### Cost of capital

We assume a cost of capital of 13.2%, based on cost of equity of 13.2% and cost of debt of 12%. The cost of equity is based on a risk-free rate of 6%, market risk premium of 8.5% and beta of 0.85.

#### ROIC

Putting all the above together, we get a long-term ROIC of 20%.

#### Figure 6: Shareholding pattern



Source: Company reports.

## Hexaware: Company profile

Hexaware specializes in providing its clients with management and technology solutions in the enterprise applications software area. The Company also operates as an offshore-based vendor for the ERP and CRM software products of PeopleSoft, Inc. of U.S.A. Historically company had a strong revenue profile with revenue CAGR of 22% from 2002-2008. We expect FY09E-12E CAGR to be 10%.



## Management

Table 3: Management team

Name	Designation	Profile
Atul K Nishar	Chairman/Founder	Atul K. Nishar has been a Member of Management Council of Hexaware Technologies Ltd. since August 21, 2004. Mr. Nishar Founded Hexaware Technologies Ltd. and serves as its Executive Chairman. He served as the Chairman of Aptech Ltd. until March 10, 2003. He has been associated with NASSCOM for several years in various capacities and was Chairman of NASSCOM for 2000. He continues to be on the Executive Council of NASSCOM. He Co-Founded Infi nity Technology Investments Pvt. Ltd a leading Venture Capital Fund. He is a Director of Indo-American Chamber of Commerce.
P R Chandrasekar	Vice Chairman/ CEO: Global	P. R. Chandrasekar has been Chief Executive Officer of Hexaware Technologies Ltd., since June 2008. Mr. Chandrasekar served as President, Americas and Europe of Wipro Ltd., and also served as its Head of American operations.
Anirban Chakraborty	Senior VP & Global Head - Emerging Markets	Anirban leads the Manufacturing, Healthcare, all Non BFSI and Non TTHL businesses globally at Hexaware. Anirban brings over 19 years of experience in IT services, business solutions and building relationships with MNCs and local market leaders in various industry verticals in North America & Asia Pacific.
Deepak Rao	Senior VP & Global Head-BFSI	Deepak heads the global BFSI business at Hexaware. He joins Hexaware from Siemens Information Systems Ltd where he was Vice President - Financial Services Vertical and was spearheading the company's growth in US, UK and India.
Deependra Chumble	Chief People Office	Deependra brings with him a vast leadership and multi cultural experience of over 23 years in the Human Resources function with an in depth industry knowledge of Hotels, Banking, IT and ITES. In the past, he has worked with companies such as Indian Hotels, ANZ Grindlays, HSBC, eFunds, IT 20, Morgan Stanley and JPMorgan.
Moorthi Chokkanathan	Executive VP & Global Head Enterprise Solutions	Moorthi was instrumental in building the Enterprise Solutions and HR-IT practices at Hexaware. He conceptualized and incubated HexaLab - Hexaware's Innovation center. He has over 24 years of experience in the software services and consulting field. Moorthi is a techno-commercial manager with experience in global firms, and has held senior positions in companies including Decision Technologies in the US, and GTE in Australia.
N Nataraj	Chief Information Officer	Nataraj has 18 years of industry experience in the field of Information Technology (IT), Information Systems (IS) and Security. Before Hexaware, he was the CIO of Aztecsoft where he was responsible for IT/IS/Security and Infrastructure Business. His earlier stints included working for organizations like Ericsson Software centre, India Wipro, and Hughes Software Systems in leadership positions.
Prateek Aggarwal	Chief Financial Officer	Prateek Aggarwal has over 17 years of experience in a diverse set of financial roles. Prior to Hexaware, Prateek was Head of Finance of the Software Division of HCL Technologies for the last 2.5 year. In his previous roles, he was with GE Capital International Services, leading the Financial Planning and Analysis function. He had a long tenure of 12 years with Hindustan Lever Ltd and he was the CFO of their Haircare SBU in his last assignment with them.

Source: Company website, BusinessWeek.

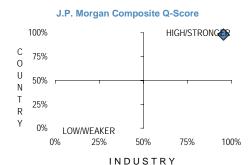


#### All Data As Of 13-Oct-09

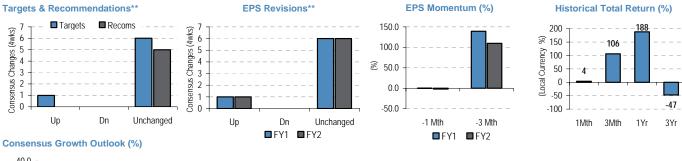
#### Q-Snapshot: Hexaware Technologies Ltd.

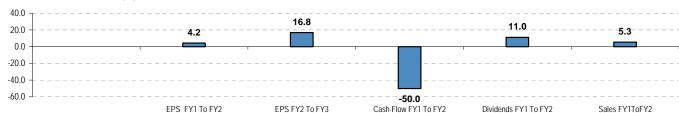
Quant Return Drivers (a Score >50% indicates company ranks 'above average')

Score 0% (worst) to 100% (best)	vs Country	vs Industry	Raw Value
Value			
P/E Vs Market (12mth fwd EPS)	79%	86%	0.6x
P/E Vs Sector (12mth fwd EPS)	87%	84%	0.5x
EPS Growth (forecast)	18%	22%	4.2%
Value Score	71%	77%	
Price Momentum			
12 Month Price Momentum	95%	92%	188.2%
1 Month Price Reversion	50%	31%	3.9%
Momentum Score	95%	91%	
Quality			
Return On Equity (forecast)	32%	36%	13.3%
Earnings Risk (Variation in Consensus)	41%	20%	0.14
Quality Score	32%	23%	
Earnings & Sentiment			
Earnings Momentum 3mth (risk adjusted)	97%	97%	918.4
1 Mth Change in Avg Recom.	33%	42%	0.00
Net Revisions FY2 EPS	95%	92%	100%
Earnings & Sentiment Score	98%	97%	
COMPOSITE Q-SCORE* (0% To 100%)	98%	95%	









Closest in Country by Size (Consensus. ADV = average daily value traded in US\$m over the last 3 mths)

Code	Name	Industry	USD MCAP	ADV	PE FY1	Q-Score*
513250-IN	Jyoti Structures Ltd.	Engineering & Construction	266	0.26	12.5	60%
532622-IN	Gateway Distriparks Ltd.	Other Transportation	266	0.63	14.8	76%
531349-IN	Panacea Biotec Ltd.	Biotechnology	265	0.07	12.8	17%
532727-IN	Adhunik Metaliks Ltd.	Metal Fabrication	264	0.48	6.5	
500008-IN	Amara Raja Batteries Ltd.	Electrical Products	260	0.27	8.1	
532129-IN	Hexaware Technologies Ltd.	Packaged Software	255	0.57	9.4	98%
524372-IN	Orchid Chemicals & Pharmaceuticals Ltd.	Pharmaceuticals: Major	255	2.38	10.2	34%
500330-IN	Raymond Ltd.	Textiles	253	0.41	27.2	12%
500304-IN	NIIT Ltd.	Miscellaneous Commercial Services	250	4.40	16.3	59%
FSIN	Fushi Copperweld Inc.	Electrical Products	246	1.46	12.1	85%
500355-IN	Rallis India Ltd.	Chemicals: Agricultural	239	0.31	13.0	
	•	•				

Source: Factset, Thomson and J.P. Morgan Quantitative Research. For an explanation of the Q-Snapshot, please visit http://jpmorgan.hk.acrobat.com/qsnapshot/Q-Snapshots are a product of J.P. Morgan's Global Quantitative Analysis team and provide quantitative metrics summarized in an overall company 'Q-Score.' Q-Snapshots are based on consensus data and should not be considered as having a direct relationship with the J.P. Morgan analysts' recommendation. \*The Composite Q-Score is calculated by weighting and combining the 10 Quant return drivers shown. The higher the Q-Score the higher the one month expected return. On a 14 Year back-test the stocks with the highest Q-Scores have been shown (on average) to significantly outperform those stocks with the lowest Q-Scores in this universe. \*\* The number of up, down and unchanged target prices, recommendations or EPS forecasts that make up consensus.



## Hexaware: Summary of financials

Rs in millions, year-end December

Income statement						Ratio analysis					
	FY08A	FY09E	FY10E	FY11E	FY12E	%, year-end December	FY08A	FY09E	FY10E	FY11E	FY12E
Revenues	11,520	10,269	10,504	11,941	13,547	Gross Margin	36.2	43.4	40.9	40.4	40.3
Cost of Goods Sold	7,346	5,807	6,211	7,120	8,087	EBITDA margin	10.7	19.1	18.8	18.3	18.0
Gross Profit	4,174	4,462	4,292	4,821	5,460	Operating Margin	8.2	16.4	16.0	15.6	15.6
						Net Margin	5.1	11.2	12.6	14.2	14.0
SG&A Expenses	3,231	2,776	2,612	2,955	3,353						
Operating Profit (EBIT)	943	1,686	1,680	1,866	2,107	SG&A/Sales	28.1	27.0	24.9	24.8	24.8
EBITDA	1227	1966	1979	2183	2444						
Interest Income	177.4	246.7	233.2	293.4	359.1	Sales growth	10.8	-10.9	2.3	13.7	13.4
Interest Expense	0	0	0	0	0	Operating Profit Growth	-2.7	78.9	-0.4	11.0	12.9
Investment Income (Exp.)	-375.0	-621.5	-337.5	0.0	0.0	Net profit growth	-46.3	94.3	15.4	28.4	11.7
Non-Operating Income (Exp.)	0.0	0.0	0.0	0.0	0.0	EPS (Reported) growth	-48.5	94.3	15.1	28.4	11.7
Earnings before tax	745	1,312	1,576	2,159	2,466						
Tax	-155	-164	-252	-459	-567	Interest coverage (x)	n.m.	n.m.	n.m.	n.m.	n.m.
Net Income (Reported)	590	1147	1324	1700	1899	Net debt to total capital	n.m.	n.m.	n.m.	n.m.	n.m.
Net Income (Adjusted)	590	1147	1324	1700	1899	Net debt to equity	n.m.	n.m.	n.m.	n.m.	n.m.
INR	0.0		.02.	1700		rect describe equity					******
EPS (Reported)	4.1	8.0	9.2	11.8	13.2	Asset Turnover	109.4	89.5	81.4	81.1	81.8
EPS (Adjusted)	4.1	8.0	9.2	11.8	13.2	ASSET TUTTOVCI	107.4	07.3	01.4	01.1	01.0
` '						DOE	0.7	15.0	15.0	10.0	17.0
BPS	46.1	55.0	61.6	69.9	78.6	ROE	8.6	15.8	15.8	18.0	17.8
DPS	1.0	1.0	1.6	1.1	1.4	ROIC	14.4	27.7	28.5	31.2	34.2
Shares Outstanding (bn)	144	144	144	144	144	ROCE	10.4	18.6	16.2	15.6	15.3
Delenes shoot											
Balance sheet						Cash flow statement					
Balance sneet	FY08A	FY09E	FY10E	FY11E	FY12E	Cash flow statement	FY08A	FY09E	FY10E	FY11E	FY12E
Cash and cash equivalents	2,849	4,218	5,280	6,618	7,954	Net Income	590	1,147	1,324	1,700	1,899
Cash and cash equivalents Accounts receivable	2,849 2,065	4,218 1,501	5,280 1,654	6,618 1,876	7,954 2,126	Net Income Depr. & Amortisation	590 284	1,147 280	1,324 298	1,700 318	1,899 337
Cash and cash equivalents Accounts receivable Inventories	2,849 2,065 84	4,218 1,501 104	5,280 1,654 114	6,618 1,876 130	7,954 2,126 147	Net Income Depr. & Amortisation Change in working capital	590 284 1,098	1,147 280 148	1,324 298 212	1,700 318 229	1,899 337 143
Cash and cash equivalents Accounts receivable Inventories Others	2,849 2,065 84 1,035	4,218 1,501 104 1,075	5,280 1,654 114 1,184	6,618 1,876 130 1,343	7,954 2,126 147 1,522	Net Income Depr. & Amortisation Change in working capital Other	590 284 1,098 0	1,147 280 148 0	1,324 298 212 0	1,700 318 229 0	1,899 337 143 0
Cash and cash equivalents Accounts receivable Inventories	2,849 2,065 84	4,218 1,501 104	5,280 1,654 114	6,618 1,876 130	7,954 2,126 147	Net Income Depr. & Amortisation Change in working capital	590 284 1,098	1,147 280 148	1,324 298 212	1,700 318 229	1,899 337 143
Cash and cash equivalents Accounts receivable Inventories Others	2,849 2,065 84 1,035	4,218 1,501 104 1,075	5,280 1,654 114 1,184	6,618 1,876 130 1,343	7,954 2,126 147 1,522	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations	590 284 1,098 0 1,972	1,147 280 148 0 1,575	1,324 298 212 0	1,700 318 229 0	1,899 337 143 0
Cash and cash equivalents Accounts receivable Inventories Others Current assets LT investments	2,849 2,065 84 1,035 6,033	4,218 1,501 104 1,075 6,897	5,280 1,654 114 1,184 8,231	6,618 1,876 130 1,343 9,968	7,954 2,126 147 1,522 11,748	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations Capex	590 284 1,098 0 1,972	1,147 280 148 0 1,575	1,324 298 212 0 1,834	1,700 318 229 0 2,247	1,899 337 143 0 2,379
Cash and cash equivalents Accounts receivable Inventories Others Current assets	2,849 2,065 84 1,035 6,033	4,218 1,501 104 1,075 6,897	5,280 1,654 114 1,184 8,231	6,618 1,876 130 1,343 9,968	7,954 2,126 147 1,522 11,748	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase)	590 284 1,098 0 1,972 -1,505	1,147 280 148 0 1,575 -356	1,324 298 212 0 1,834	1,700 318 229 0 2,247 -400 0	1,899 337 143 0 2,379
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets	2,849 2,065 84 1,035 6,033	4,218 1,501 104 1,075 6,897 0 4,574	5,280 1,654 114 1,184 8,231 0 4,676	6,618 1,876 130 1,343 9,968 0 4,758	7,954 2,126 147 1,522 11,748 0 4,821	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations Capex	590 284 1,098 0 1,972	1,147 280 148 0 1,575	1,324 298 212 0 1,834 -400 0	1,700 318 229 0 2,247	1,899 337 143 0 2,379 -400 0
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets	2,849 2,065 84 1,035 6,033 0 4,498	4,218 1,501 104 1,075 6,897 0 4,574	5,280 1,654 114 1,184 8,231 0 4,676 0	6,618 1,876 130 1,343 9,968 0 4,758	7,954 2,126 147 1,522 11,748 0 4,821	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow	590 284 1,098 0 1,972 -1,505 0 -1,505 467	1,147 280 148 0 1,575 -356 0 -356 1,219	1,324 298 212 0 1,834 -400 0 -400 1,434	1,700 318 229 0 2,247 -400 0 -400 1,847	1,899 337 143 0 2,379 -400 0 -400 1,979
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets Liabilities	2,849 2,065 84 1,035 6,033 0 4,498 0	4,218 1,501 104 1,075 6,897 0 4,574 0	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid)	590 284 1,098 0 1,972 -1,505 0 -1,505 467	1,147 280 148 0 1,575 -356 0 -356 1,219	1,324 298 212 0 1,834 -400 0 -400 1,434	1,700 318 229 0 2,247 -400 0 -400 1,847	1,899 337 143 0 2,379 -400 0 -400 1,979
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets Liabilities ST loans	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid)	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3	1,324 298 212 0 1,834 -400 0 -400 1,434	1,700 318 229 0 2,247 -400 0 -400 1,847	1,899 337 143 0 2,379 -400 0 -400 1,979
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets  Liabilities ST loans Payables	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0	1,700 318 229 0 2,247 -400 0 -400 1,847	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets  Liabilities ST loans Payables Others	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other Dividends paid	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0 -169	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0 -237	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0 0	1,700 318 229 0 2,247 -400 0 -400 1,847 0 0	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets Liabilities ST loans Payables Others Total current liabilities	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531 0 3,711 0	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471 0 3,355 0	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569 0 5,053 0	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0	1,700 318 229 0 2,247 -400 0 -400 1,847	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets Liabilities ST loans Payables Others Total current liabilities Long term debt	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531 0 3,711 0 3711 195	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471 0 3,355 0 3355	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907 0 3,839 0 3839 192	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726 0 4,465 0 4465 192	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569 0 5,053 0 5053	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other Dividends paid Cash flow from financing	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0 -169 -829	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0 -237 149	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0 0 -373 -373	1,700 318 229 0 2,247 -400 0 -400 1,847 0 0 0 -508 -508	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0 0 -644 -644
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets  Liabilities ST loans Payables Others Total current liabilities Long term debt Other liabilities	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531 0 3,711 0 3711 195 0	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471 0 3,355 0 3355 192 0	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907 0 3,839 0 3839 192 0	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726 0 4,465 0 4465 192 0	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569 0 5,053 0 5053 192 0	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other Dividends paid Cash flow from financing  Net change in cash	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0 -169 -829	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0 -237 149	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0 0 -373 -373	1,700 318 229 0 2,247 -400 0 -400 1,847 0 0 0 -508 -508	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0 -644 -644
Cash and cash equivalents Accounts receivable Inventories Others Current assets  LT investments Net fixed assets Others Total assets Liabilities ST loans Payables Others Total current liabilities Long term debt	2,849 2,065 84 1,035 6,033 0 4,498 0 10,531 0 3,711 0 3711 195	4,218 1,501 104 1,075 6,897 0 4,574 0 11,471 0 3,355 0 3355	5,280 1,654 114 1,184 8,231 0 4,676 0 12,907 0 3,839 0 3839 192	6,618 1,876 130 1,343 9,968 0 4,758 0 14,726 0 4,465 0 4465 192	7,954 2,126 147 1,522 11,748 0 4,821 0 16,569 0 5,053 0 5053	Net Income Depr. & Amortisation Change in working capital Other Cash flow from operations  Capex Disposal/ (purchase) Cash flow from investing Free cash flow  Equity raised/ (repaid) Debt raised/ (repaid) Other Dividends paid Cash flow from financing	590 284 1,098 0 1,972 -1,505 0 -1,505 467 -855 195 0 -169 -829	1,147 280 148 0 1,575 -356 0 -356 1,219 389 -3 0 -237 149	1,324 298 212 0 1,834 -400 0 -400 1,434 0 0 0 -373 -373	1,700 318 229 0 2,247 -400 0 -400 1,847 0 0 0 -508 -508	1,899 337 143 0 2,379 -400 0 -400 1,979 0 0 0 -644 -644

Source: Company reports, J.P. Morgan estimates.

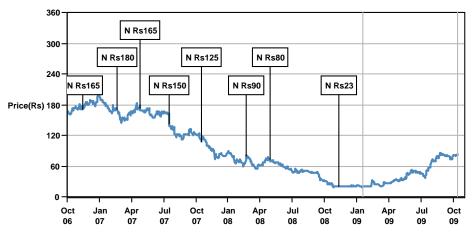


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#### Hexaware (HEXT.BO) Price Chart



Date	Rating	Share Price (Rs)	Price Target (Rs)
13-Nov-06	N	171.55	165.00
19-Feb-07	N	171.35	180.00
25-Apr-07	N	174.05	165.00
19-Jul-07	N	142.75	150.00
18-Oct-07	N	108.75	125.00
22-Feb-08	N	79.55	90.00
29-Apr-08	N	73.80	80.00
11-Nov-08	N	21.20	23.00

Source: Bloomberg and J.P. Morgan; price data adjusted for stock splits and dividends.

Break in coverage Jan 16, 2009 - Oct 14, 2009. This chart shows J.P. Morgan's continuing coverage of this stock; the current analyst may or may not have covered it over the entire period.

J.P. Morgan ratings: OW = Overweight, N = Neutral, UW = Underweight.

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	(buy)	(hold)	(sell)
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IB clients*	56%	57%	42%
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IB clients*	76%	72%	56%

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